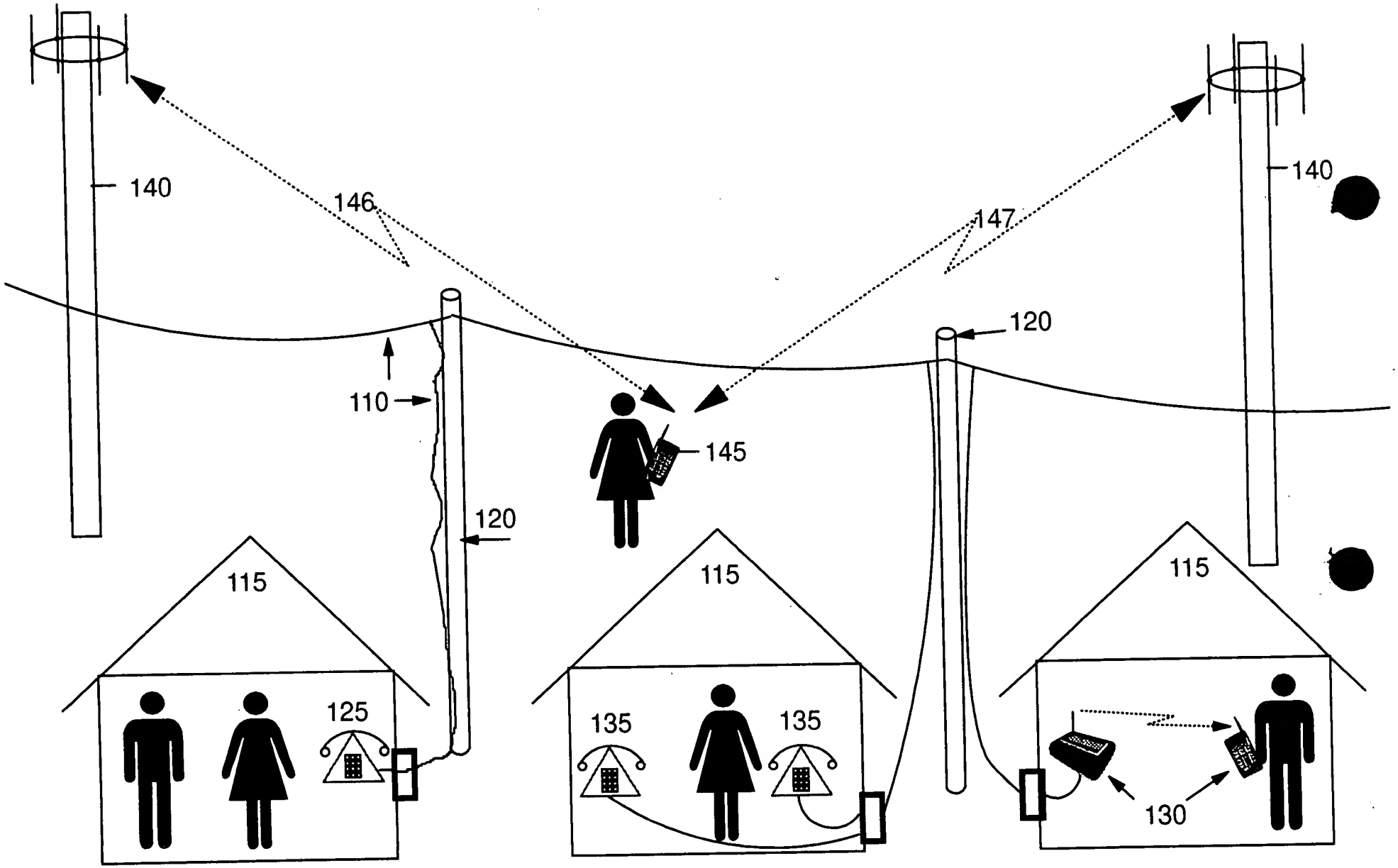
Figure 1: Prior art



08760 08h960

Figure 2: Inventive System with Wireless Network Node box

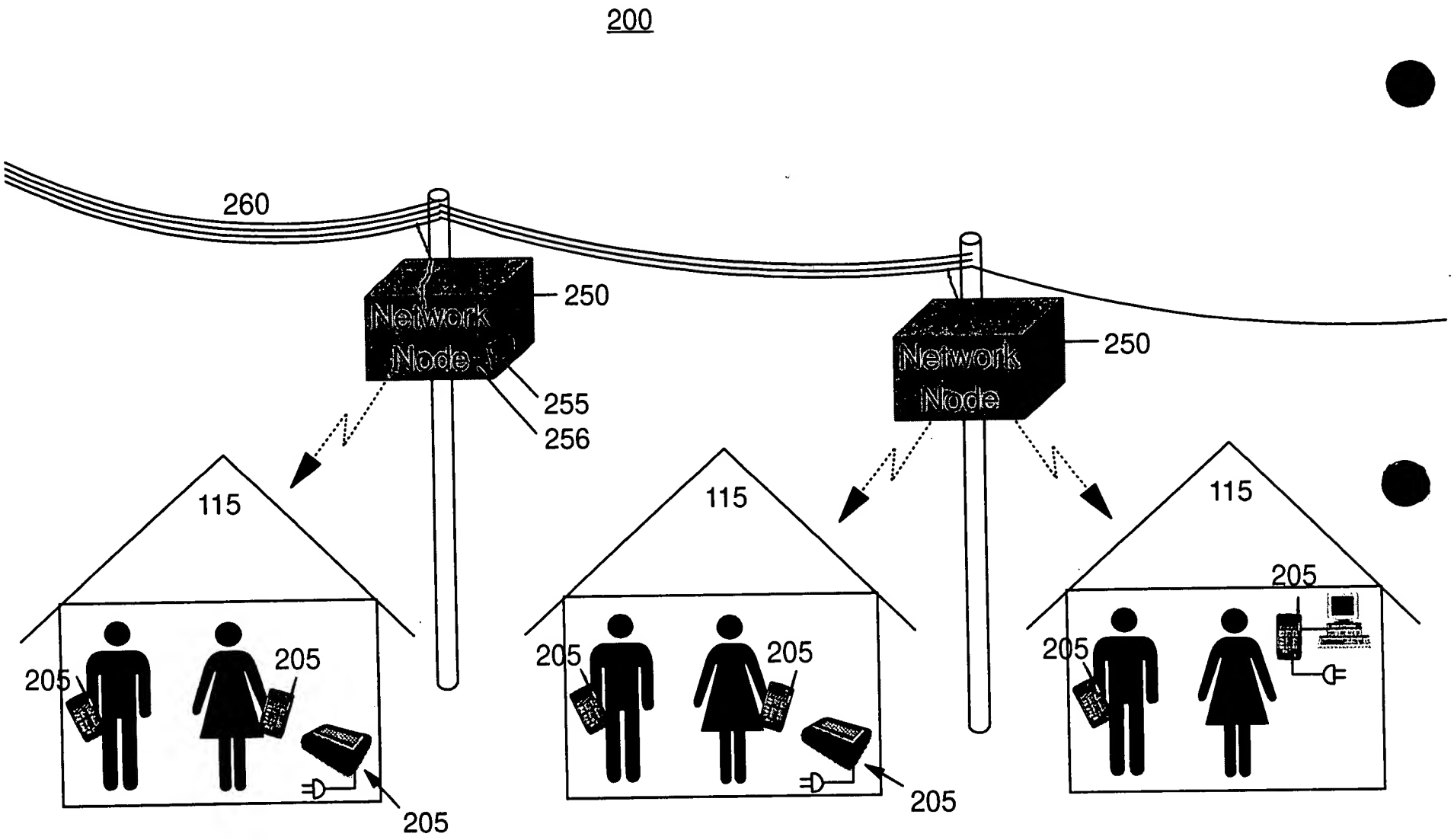


Figure 3 - Network Node Controller

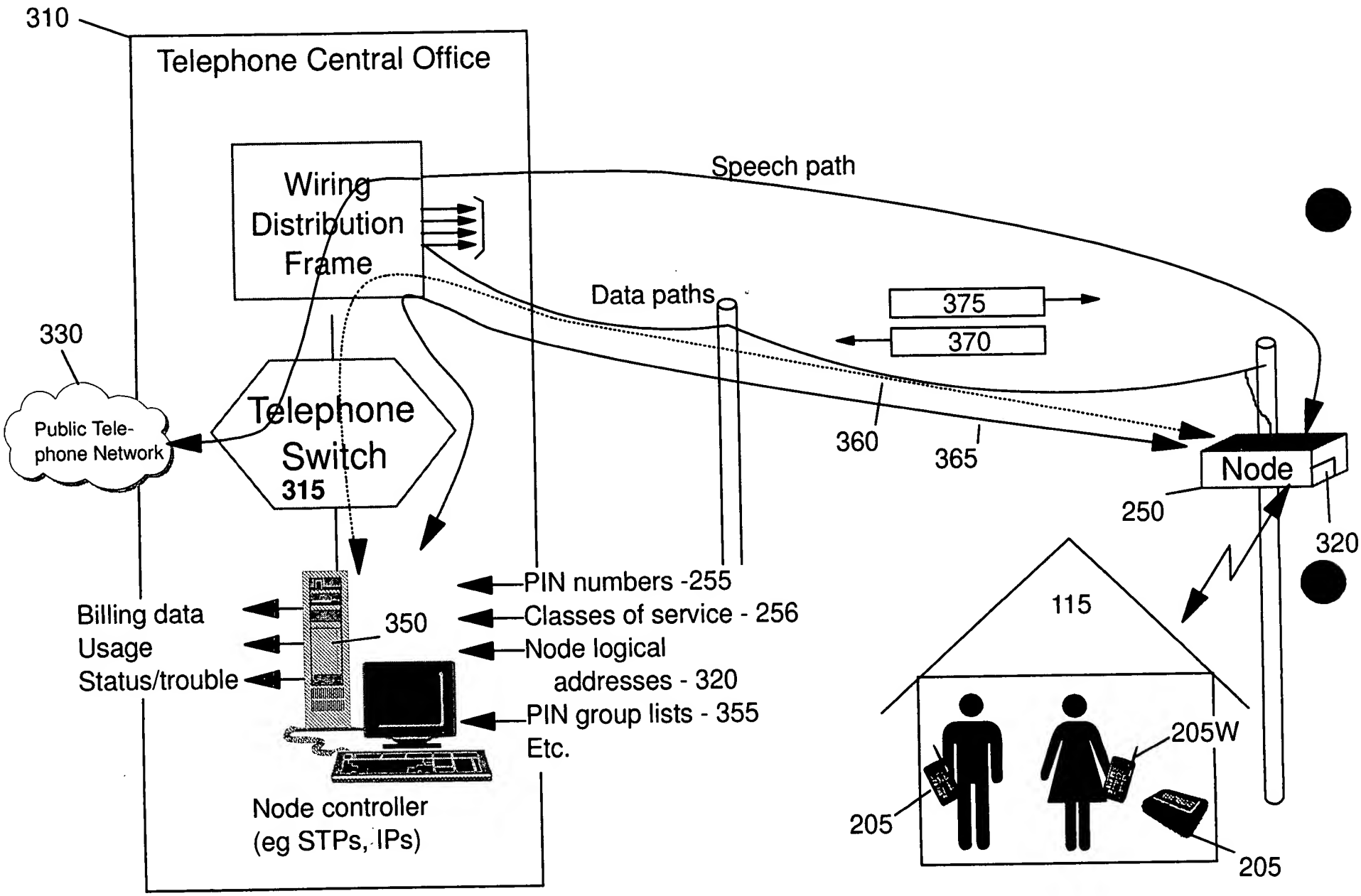


Figure 4. Telephone network node device

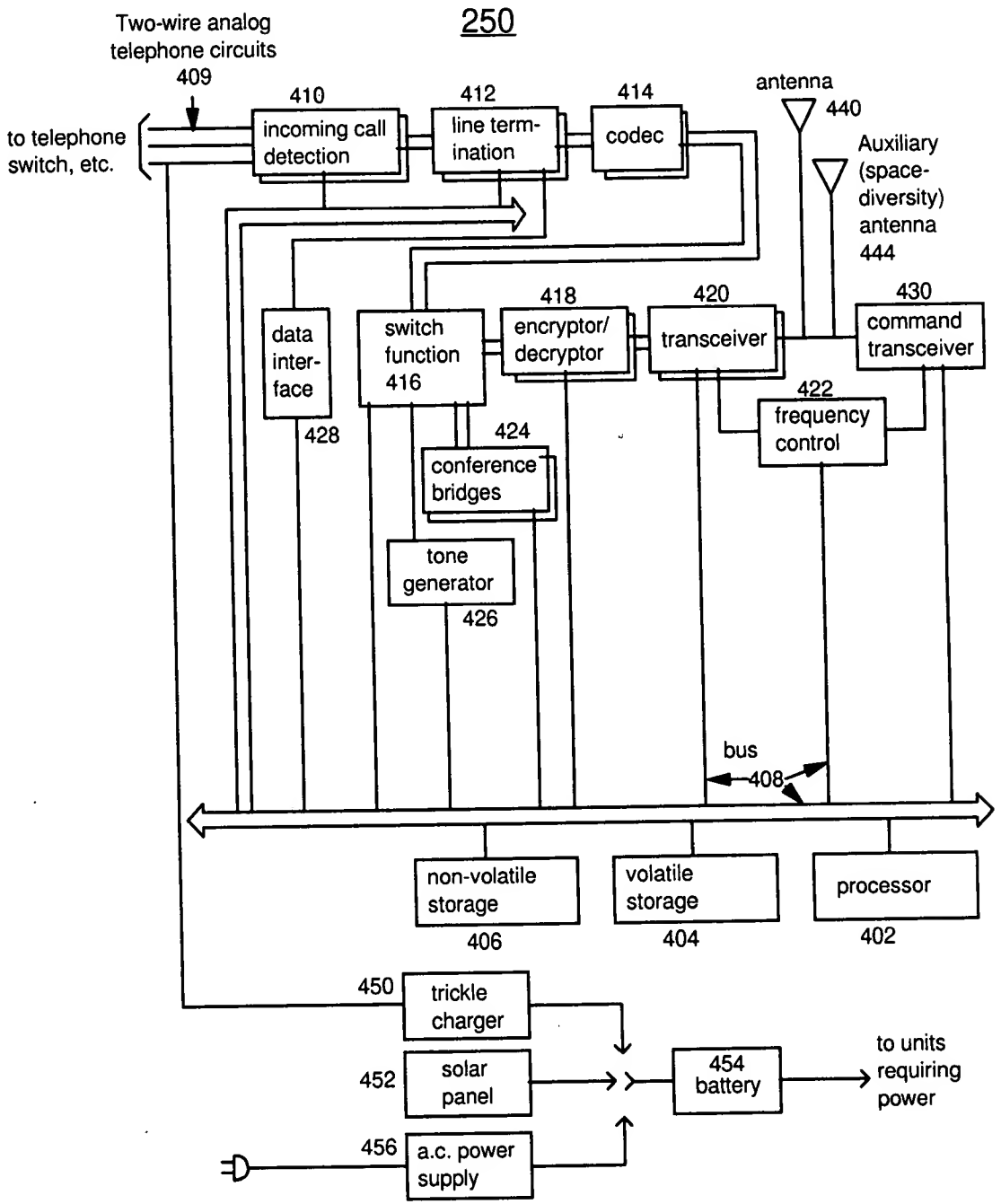


Figure 5. Wireless communications device

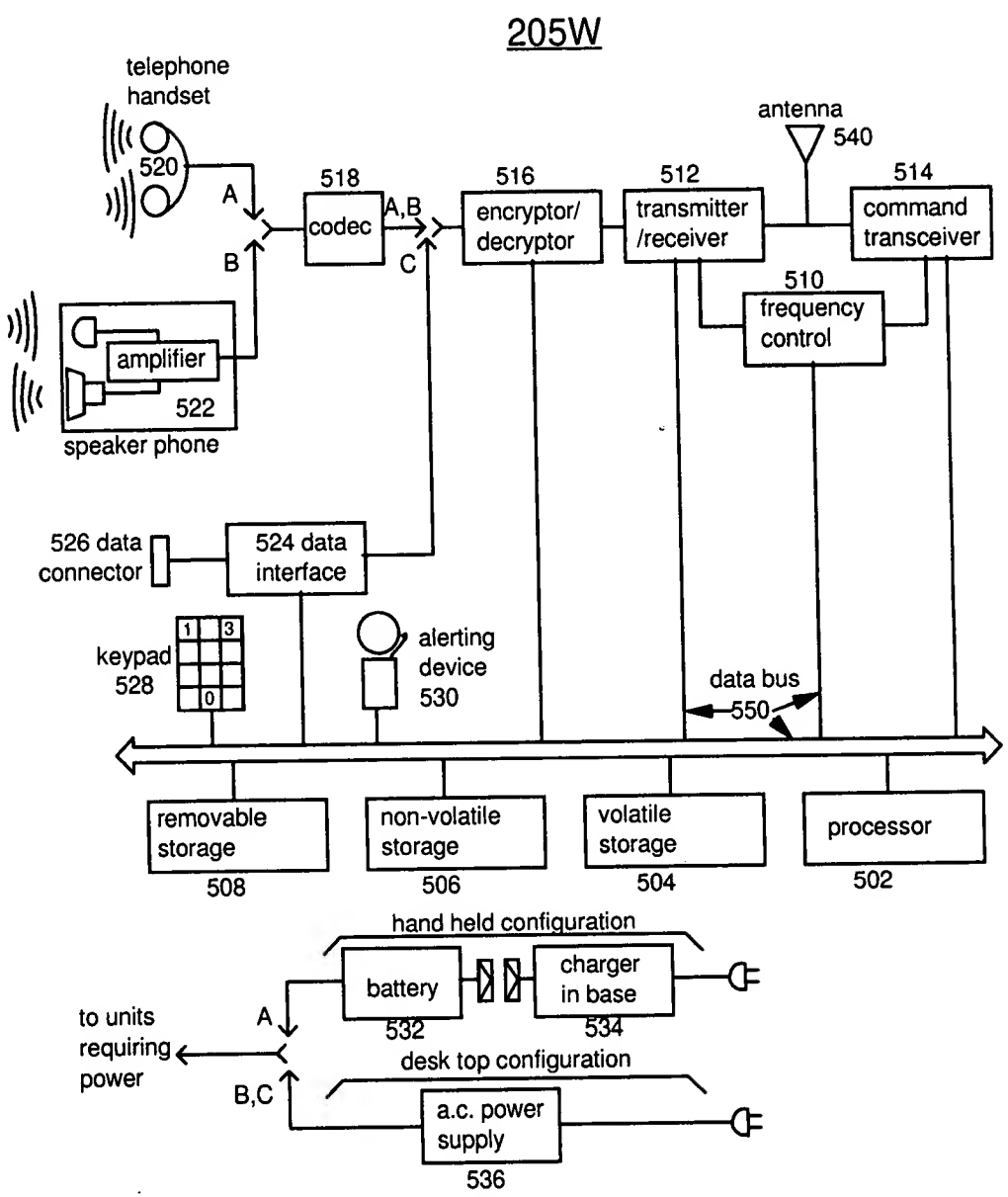


Fig 6. Configuration & update of Network Node

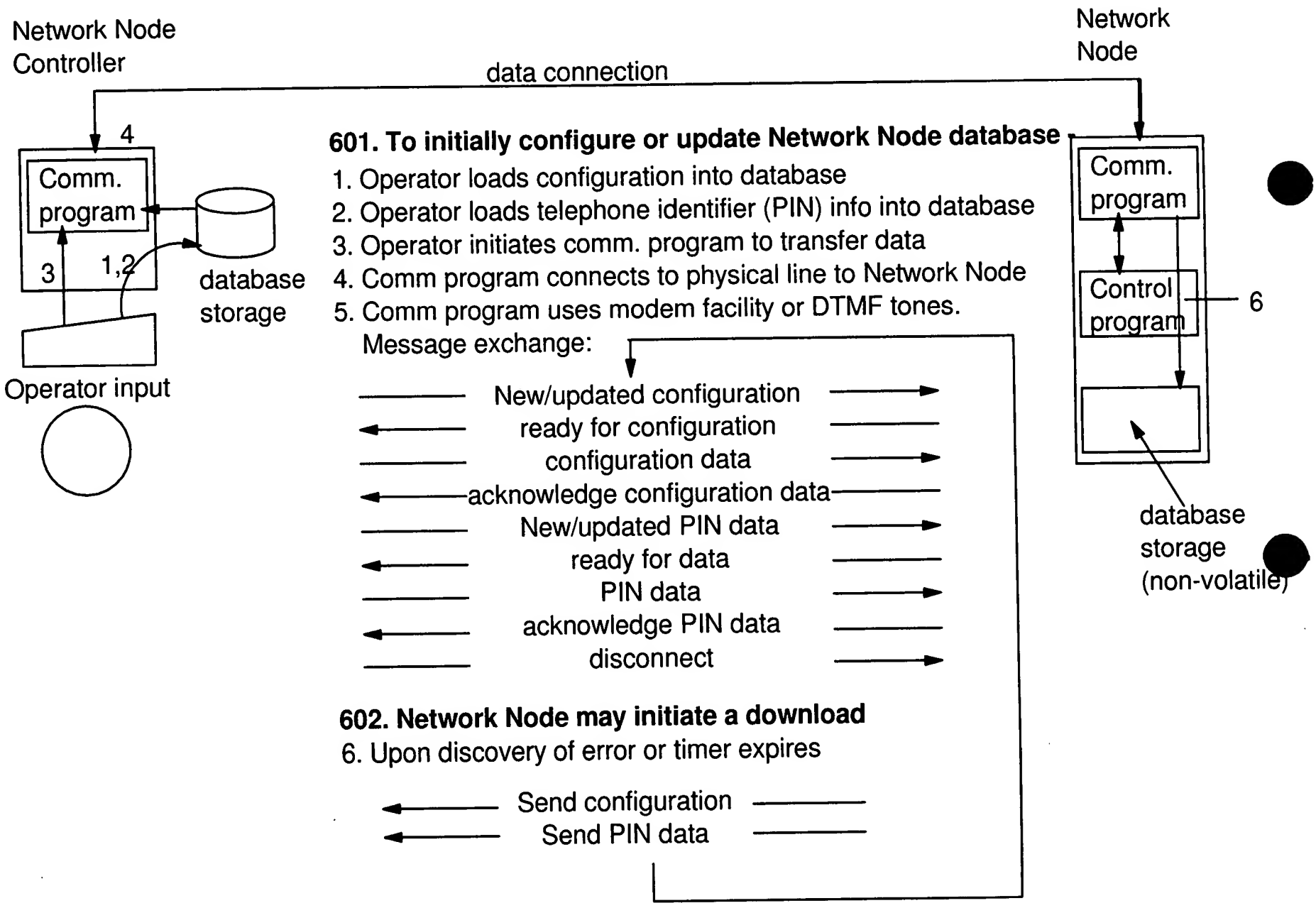


Fig 7. Alarm & Traffic reporting to Network Node Controller

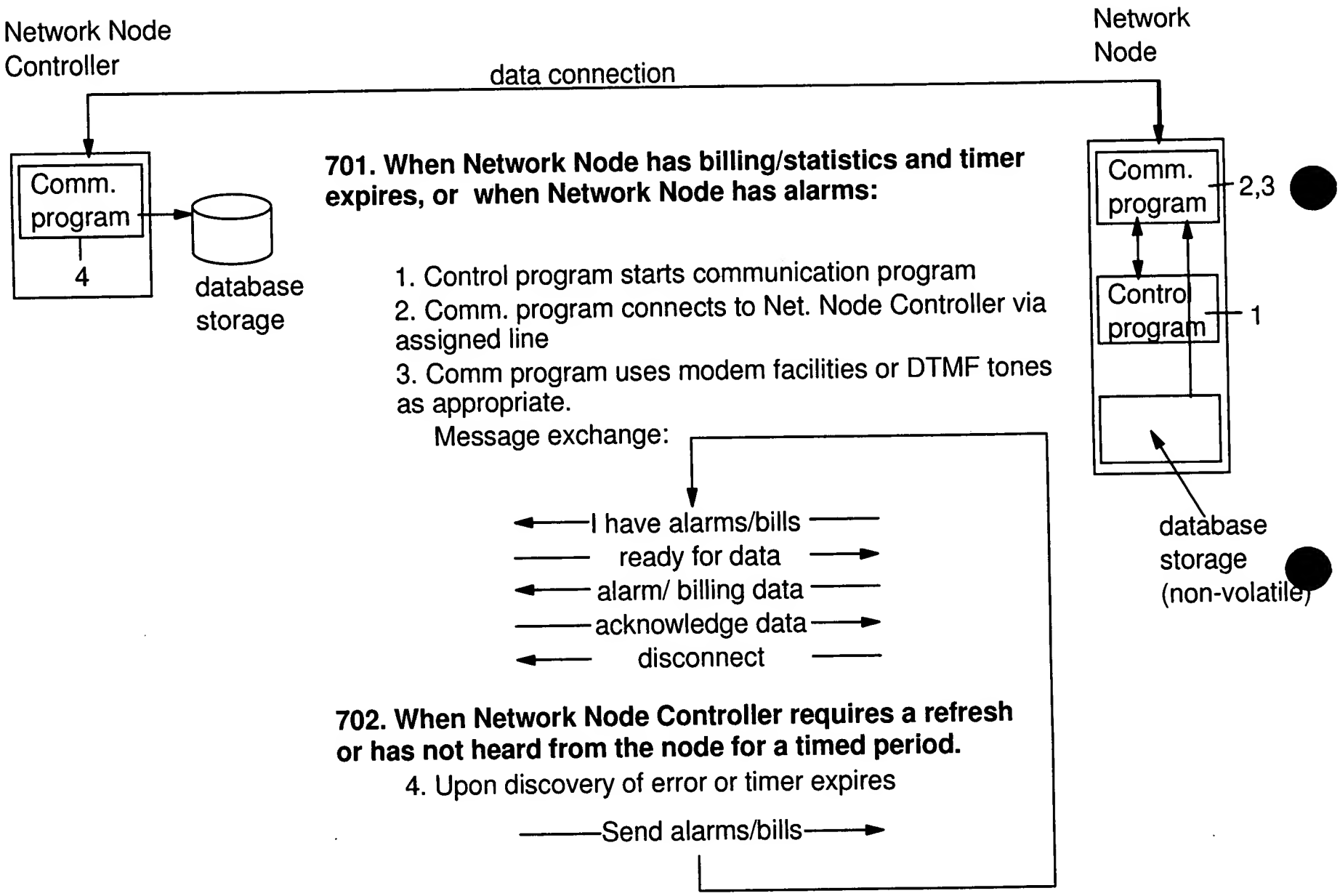
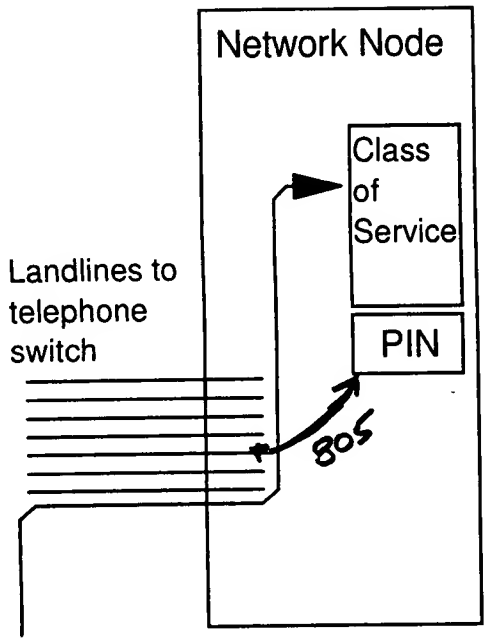


Figure 8. Initial setup - Network Node and Wireless Communication Device



804 PIN and Class-of-service marks downloaded by telephone utility - See Fig 6.

801 User orders service from utility

802 Utility creates PIN, supplies to user, creates class of service marks based on user order.

803a PIN entered by customer (first use of handset only).

-or-

803b PIN supplied on memory stick

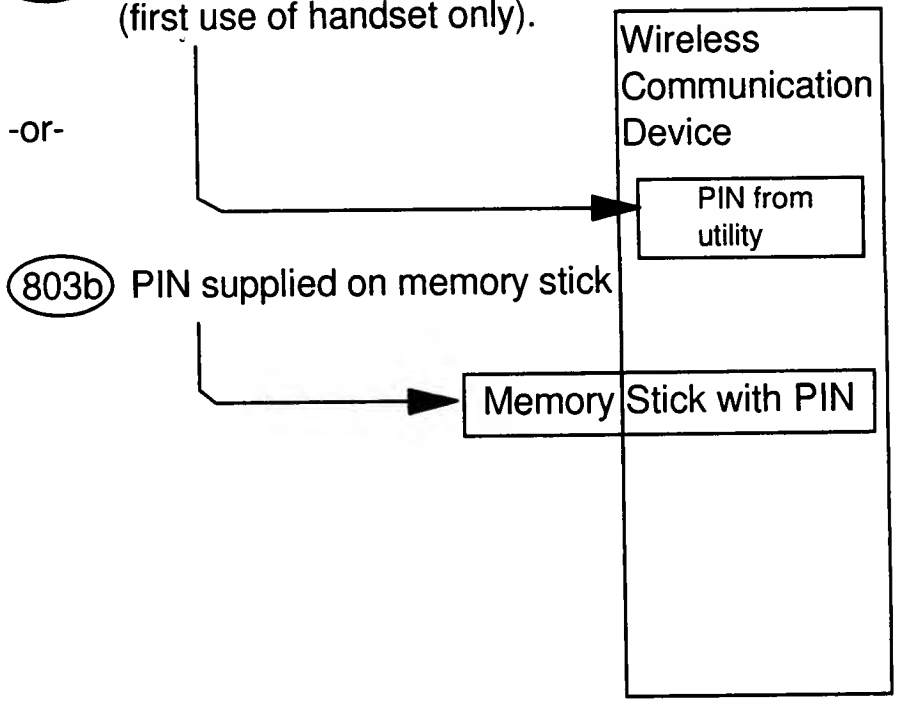


Figure 9. Connection process - Wireless Comm. Device to Network Node

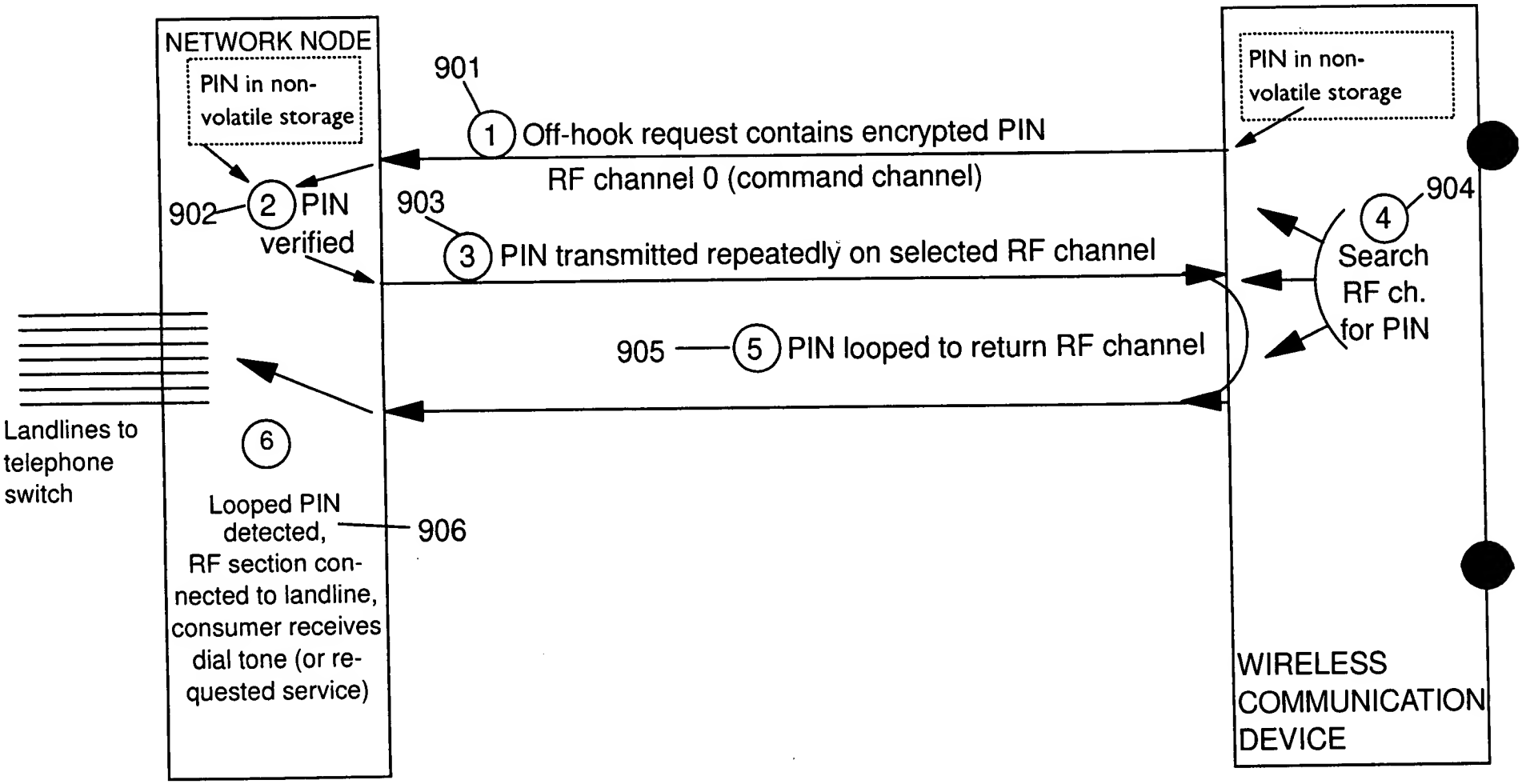


Figure 10

Connection process -Network node to Wireless Communication Devices

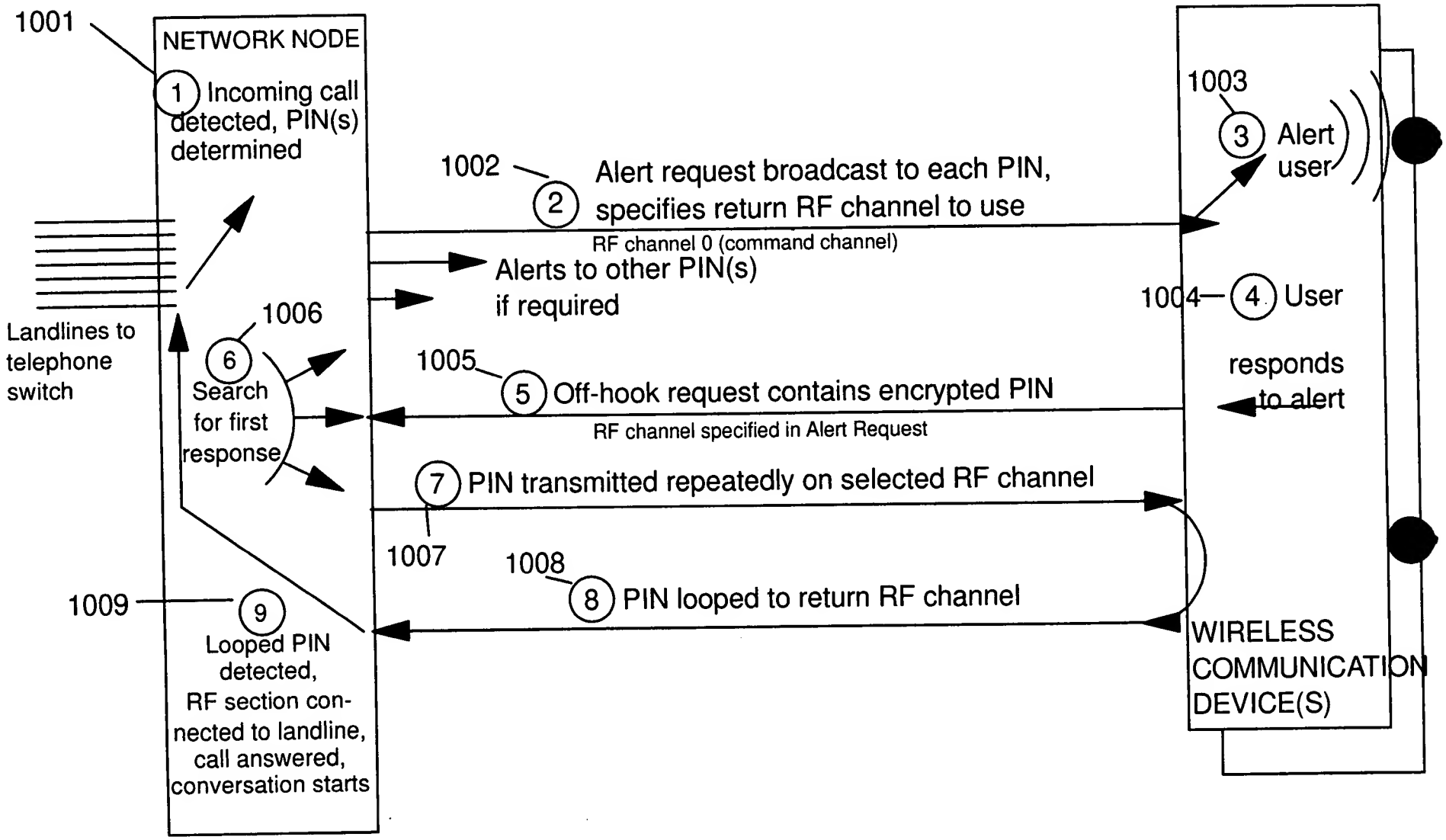


Fig.11

Class of service table showing association of services to PIN #

PIN #	First/only dedicated line # incoming/outgoing/both
	(additional dedicated line #, etc.)
	Last dedicated line # incoming/outgoing/both
	Privacy feature allowed
	Privacy feature during call
	Privacy disconnect allowed
	Privacy disconnect priority
	Bridging allowed
	Shared outgoing service allowed
	Shared outgoing service max lines
	Shared outgoing service access priority
	Shared outgoing service pre-empt priority
	Shared incoming line access number
	Shared incoming service max lines
	Call waiting notify never/always/newest/oldest
	Camp-on allowed
	Join allowed

Fig. 12

Association of dedicated and shared line(s) to PIN #s

	Incoming entity	Priority	PIN assignment
1201	Dedicated line 1		PIN xxxx
1202	Dedicated line 2		PIN aaaa; PIN yyyy, PIN zzzz; etc.
	...		...
	Dedicated line N		PIN xxxx; (PIN yyyy; PIN zzzz; etc.)
1203	Shared 1 Incoming code xxxx	p	PIN bbbb
	Incoming code yyyy	p	PIN cccc
	Incoming code zzzz	p	PIN dddd
	....		....
1204	Shared 2 Incoming code xxxx	p	PIN bbbb
	Incoming code bbbb	p	PIN eeee
	....		....
	.....		.....
	Shared N Incoming code 1111	p	PIN mmmm; (PIN yyyy; PIN zzzz; etc.)
	Incoming code 2222	p	PIN nnnn; (PIN yyyy, PIN zzzz; etc.)
	....		....

Fig 13. ~~Privacy process charts, part 1~~

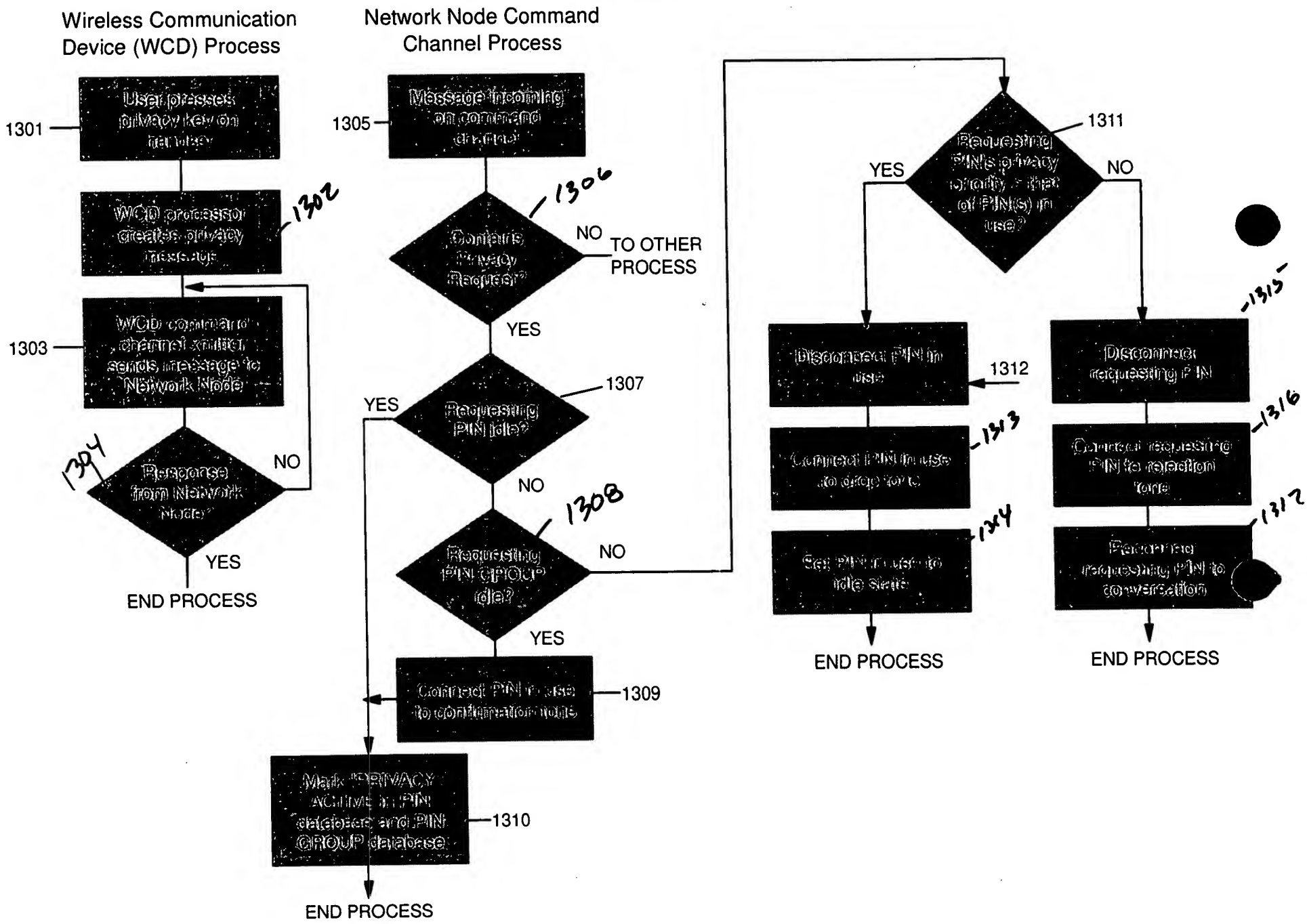


Fig 14. ~~Privacy process charts, part 2~~

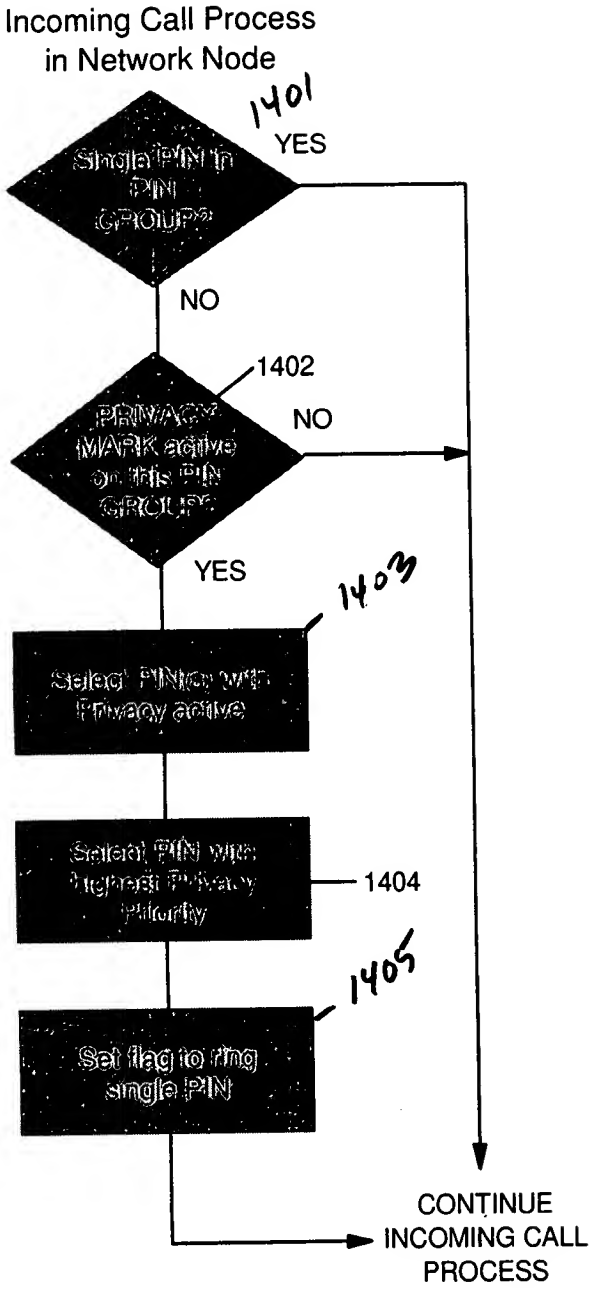
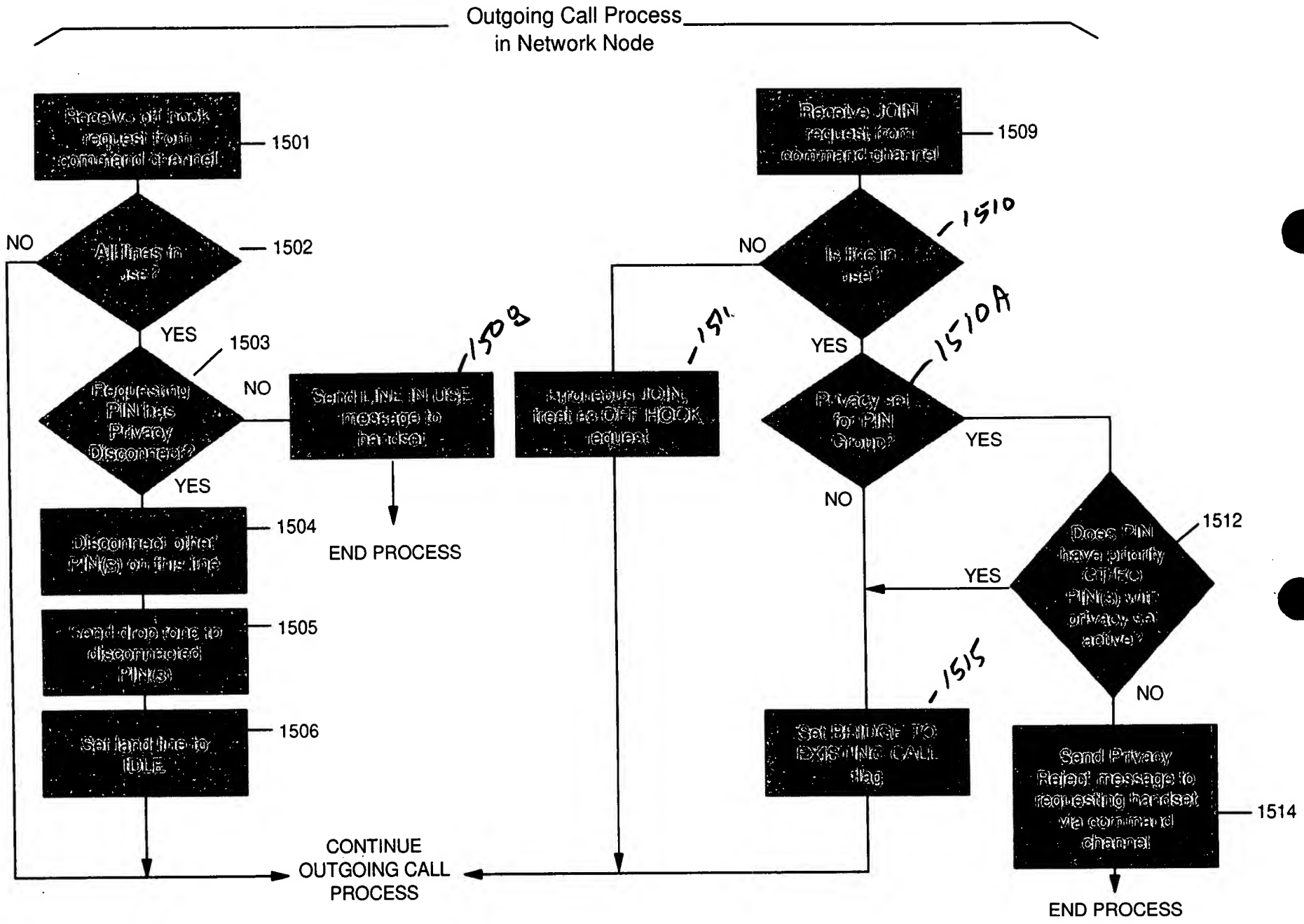



Fig 15. ~~Privacy process charts, part 3~~